

ATLAS
DESIGNED TO ILLUSTRATE
BURRITT'S
Geography of the Heavens,

COMPRISING THE FOLLOWING MAPS OR PLATES.

PLAN, EXHIBITING THE RELATIVE MAGNITUDES,
DISTANCES, AND POSITIONS OF THE DIFFERENT
BODIES WHICH COMPOSE THE SOLAR SYSTEM.

THE VISIBLE HEAVENS IN JANUARY, FEBRUARY,
AND MARCH.

THE VISIBLE HEAVENS IN OCTOBER, NOVEMBER,
AND DECEMBER.

THE VISIBLE HEAVENS IN APRIL, MAY, AND JUNE.

THE VISIBLE HEAVENS IN JULY, AUGUST, AND
SEPTEMBER.

THE VISIBLE HEAVENS IN THE SOUTH POLAR
REGIONS FOR EACH MONTH IN THE YEAR.

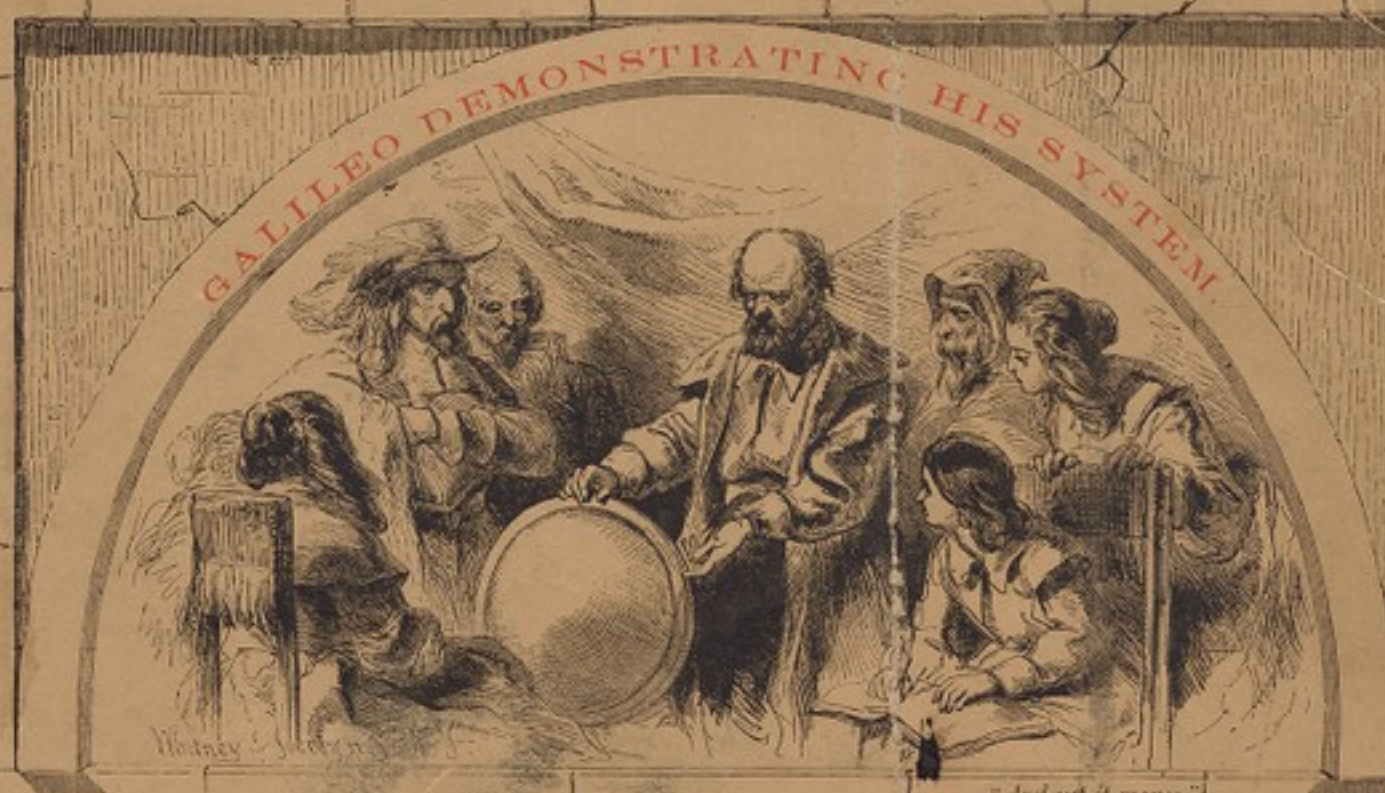
THE VISIBLE HEAVENS IN THE NORTH POLAR
REGIONS FOR EACH MONTH IN THE YEAR.

CLUSTERS, NEBULÆ AND COMETS.

DOUBLE STARS AND CLUSTERS.

A NEW EDITION, REVISED AND CORRECTED.

BY HIRAM MATTISON, J.M.



"And yet it moves."

NEW YORK:
PUBLISHED BY MASON BROTHERS,
5 & 7 MERCER STREET.

Entered according to Act of Congress, in the year 1856, by F. J. Huntington, in the Clerk's office of the District Court for the Southern District of New York.

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Burritt, C. H. Atlas, designed to illustrate the Geography of the
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A PLAN of the SOLAR SYSTEM exhibiting its

Segment of the Sun's Circumference upon a Diameter of 55 375 inches, being fourteen hundred thousand times as large as the earth.

relative MAGNITUDES and DISTANCES.

RELATIVE MAGNITUDES of the Primary Planets



RELATIVE DIAMETERS.

Planets.	Miles.	Inches.
SUN	884 000	11 3/4
JUPITER	88 000	1 1/2
SATURN	79 000	1 1/4
URANUS	35 000	3/4
NEPTUNE	31 000	3/4
URANUS	7 500	1/4
NEPTUNE	7 500	1/4
URANUS	3 500	1/8
NEPTUNE	2 500	1/8
URANUS	2 500	1/8

RELATIVE DISTANCES OF THE PRIMARY PLANETS FROM THE SUN.

ANNUAL PARALLAX OF THE FIXED STARS
HORIZONTAL PARALLAX OF THE SUN &c.

INCLINATION of the Several Primary Planets to the PLANE of the ECLIPTIC.

INCLINATION of the MOON'S ORBIT
TO THE PLANE of the ECLIPTIC.

Distances of the SATELLITES FROM THEIR SEVERAL PRIMARIES.



Revised according to Act of Congress in the year 1850
by J.J. Burritt, in the Clerk's Office of the District Court
of the United States for the Southern District of
NEW YORK.

THE CONSTELLATIONS



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THE CONSTELLATIONS

MAP IV



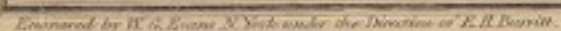
Engraved by W.G. Evans N.Y. under the Direction of E.H. Burritt.

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MAP V



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Map 5

THE CONSTELLATIONS for each Month in the Year.



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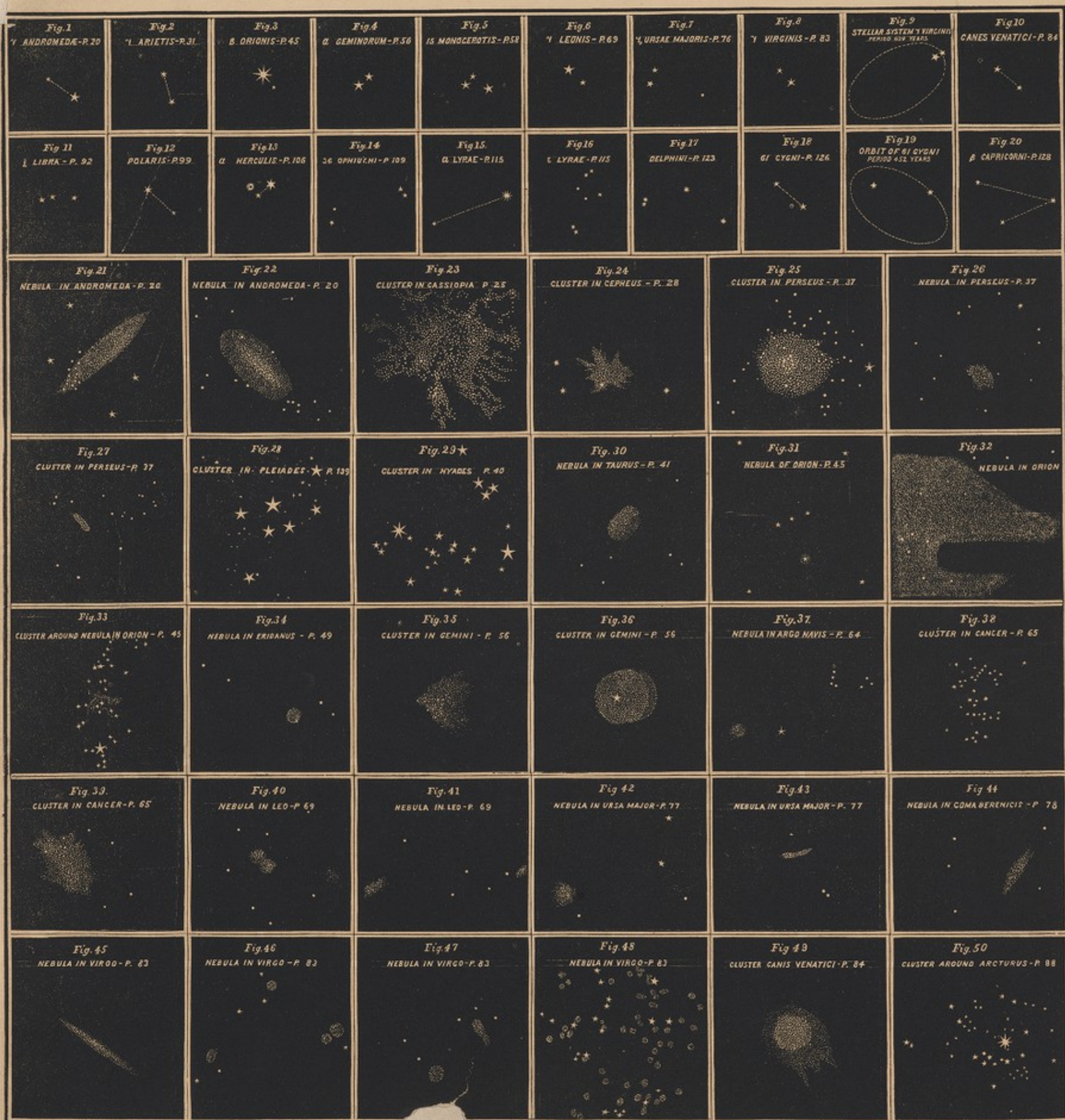


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DOUBLE STARS AND CLUSTERS.



CLUSTERS, NEBULAE, AND COMETS.

[MAP IX.]



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E.

THE CONSTELLATIONS



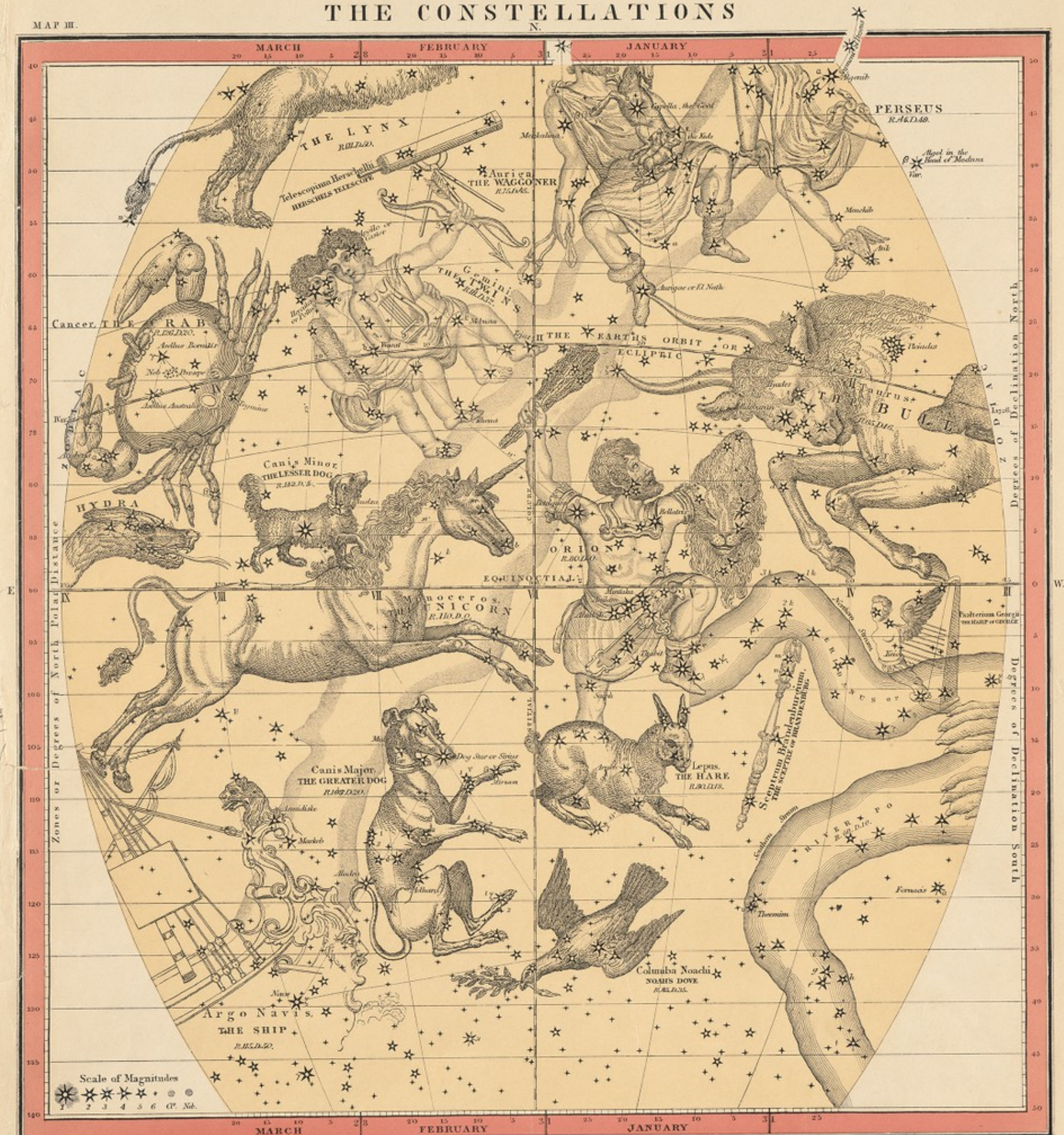
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THE CONSTELLATIONS

MAP III.

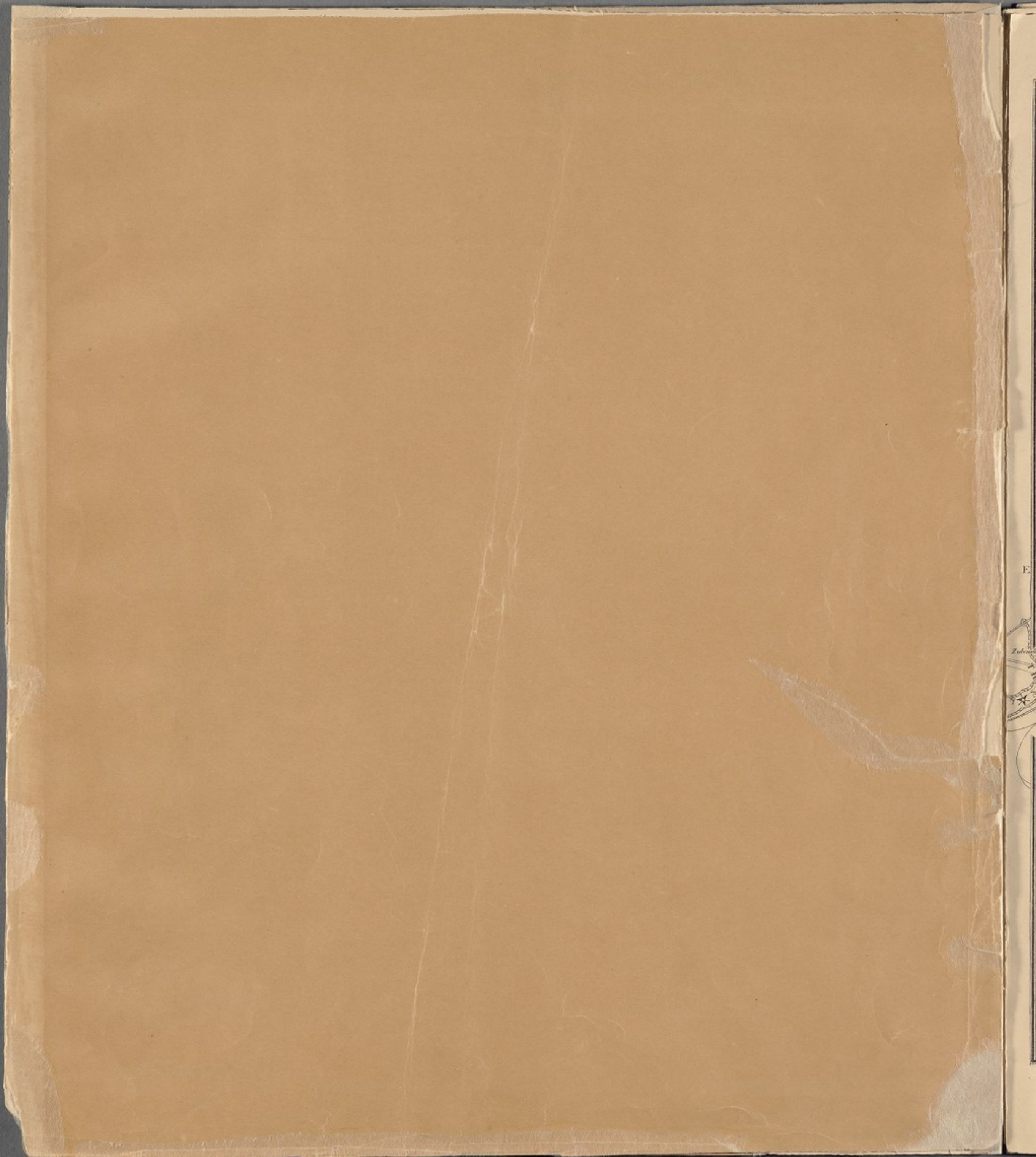
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THE CONSTELLATIONS

MAP IV



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THE CONSTELLATIONS

MAP V.



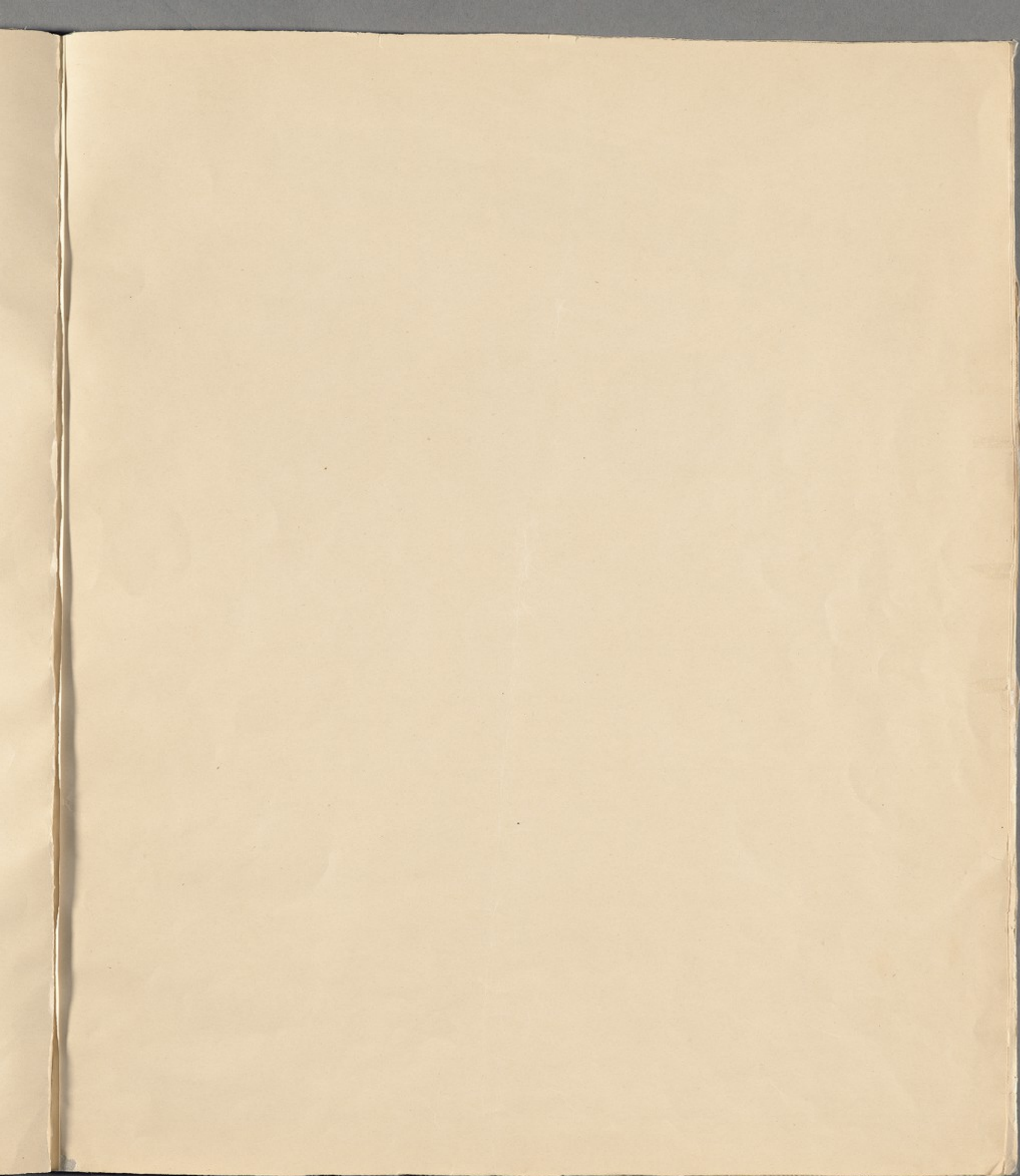
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THE CONSTELLATIONS for each Month in the Year.



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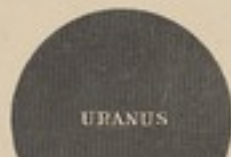
A PLAN of the SOLAR SYSTEM exhibiting its

Segment of the Sun's Circumference upon a Diameter of 55,375 inches, being thirteen hundred thousand times as large as the earth.

relative MAGNITUDES and DISTANCES



PLANETS.	MILES.	INCHES.
SUN	888,000	81,073
JUPITER	88,800	8,107
SATURN	74,000	6,791
URANUS	36,400	3,395
NEPTUNE	32,000	2,947
VENUS	7,000	645
MARS	4,300	395
MOON	2,390	220



Gravity eleven times as large as the Earth.



Sea hundred times as large as the Earth.



Seven hundred times as large as the Earth.

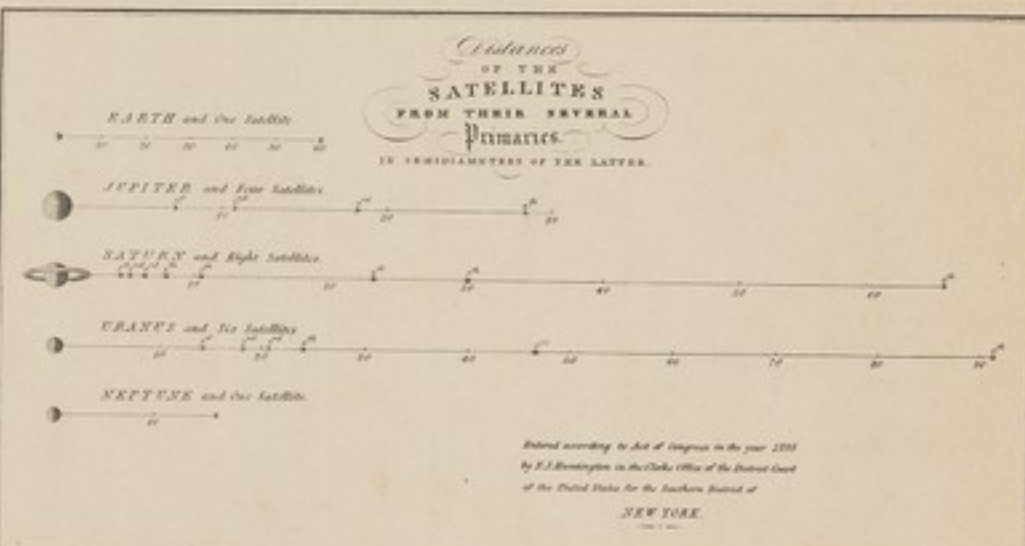
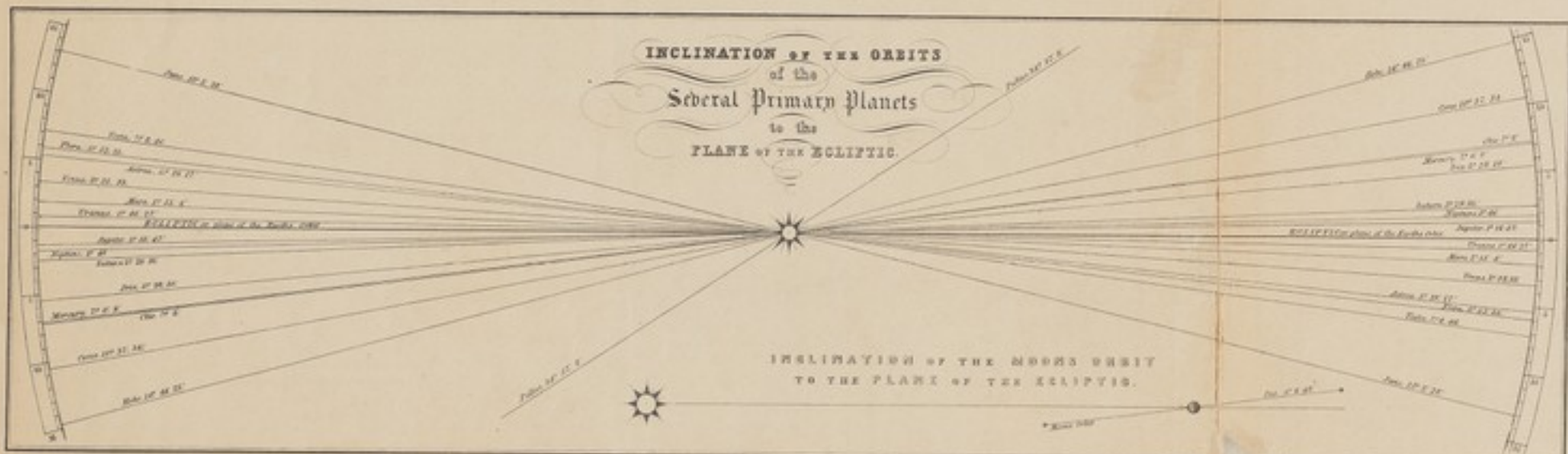
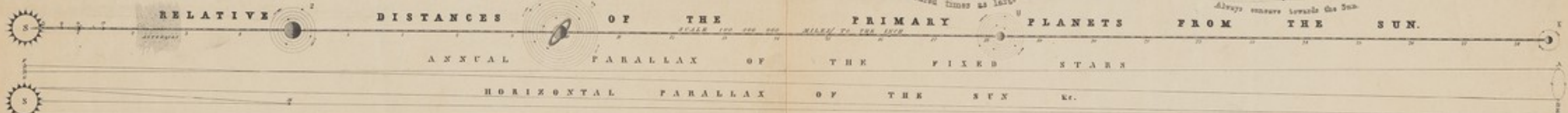


Thirteen hundred times as large as the Earth.



MOON'S PATH DURING A COMPLETE LUNATION

Always converges towards the Sun.



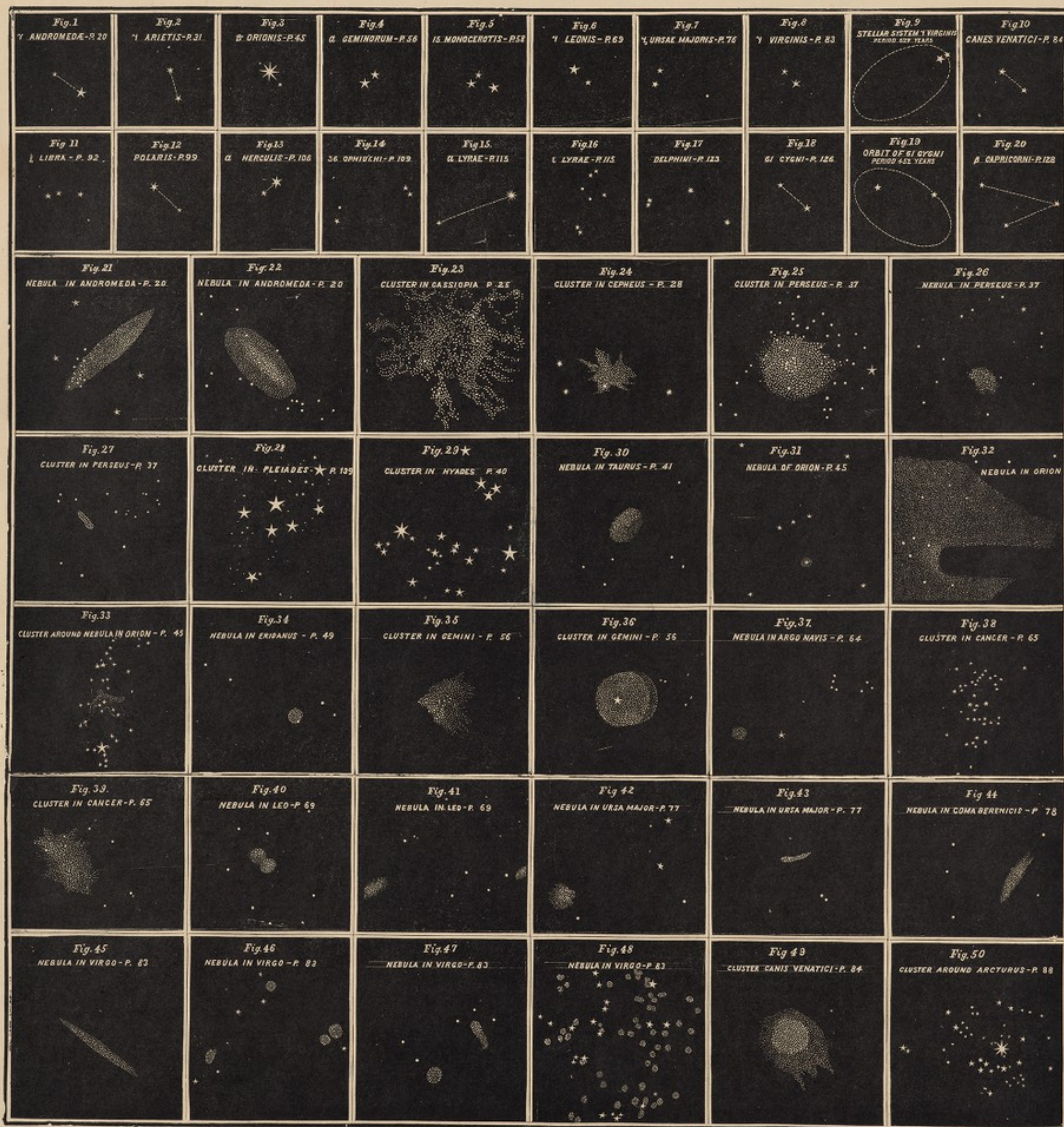
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THE CONSTELLATIONS for each Month in the Year.



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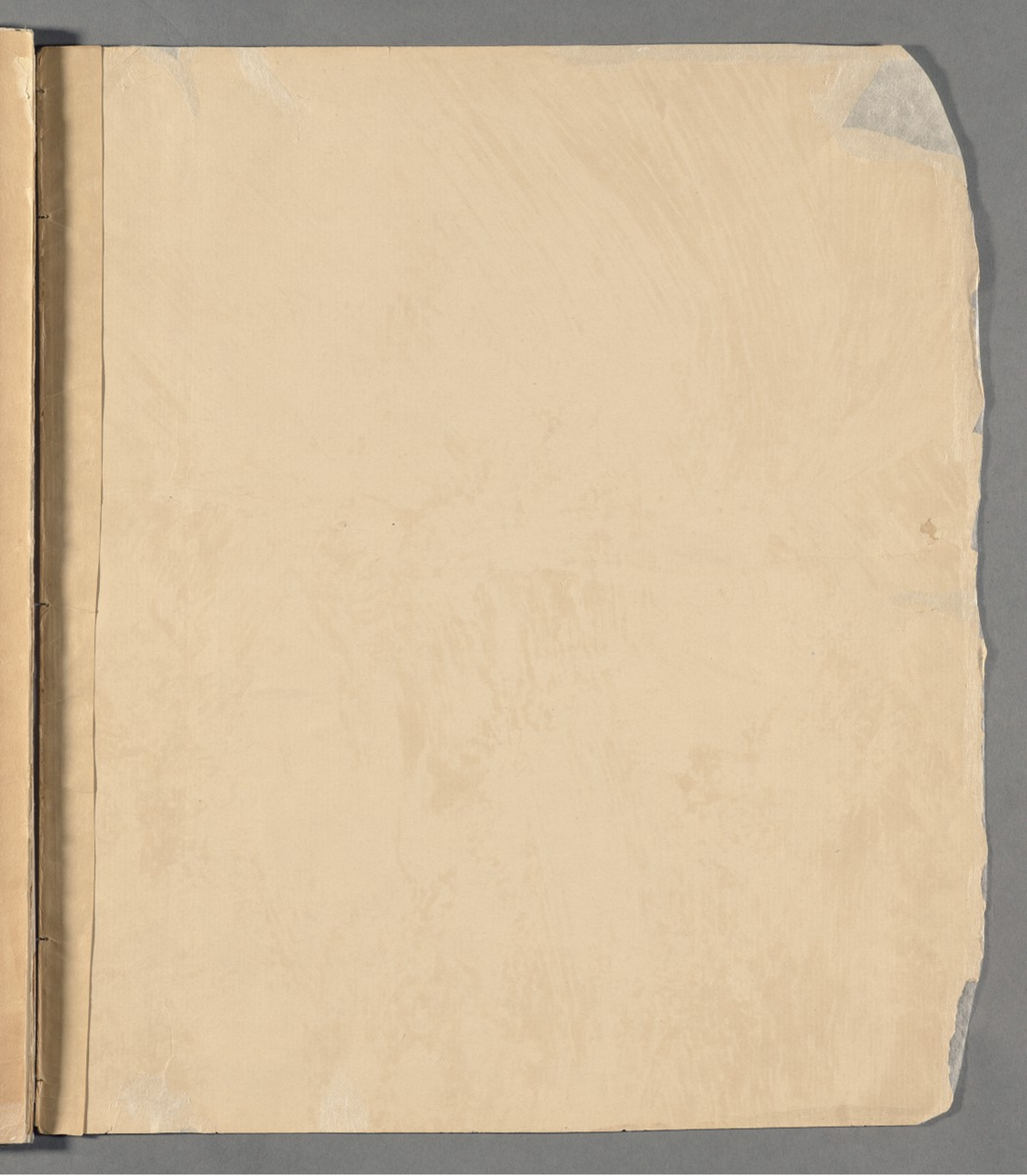
DOUBLE STARS AND CLUSTERS.



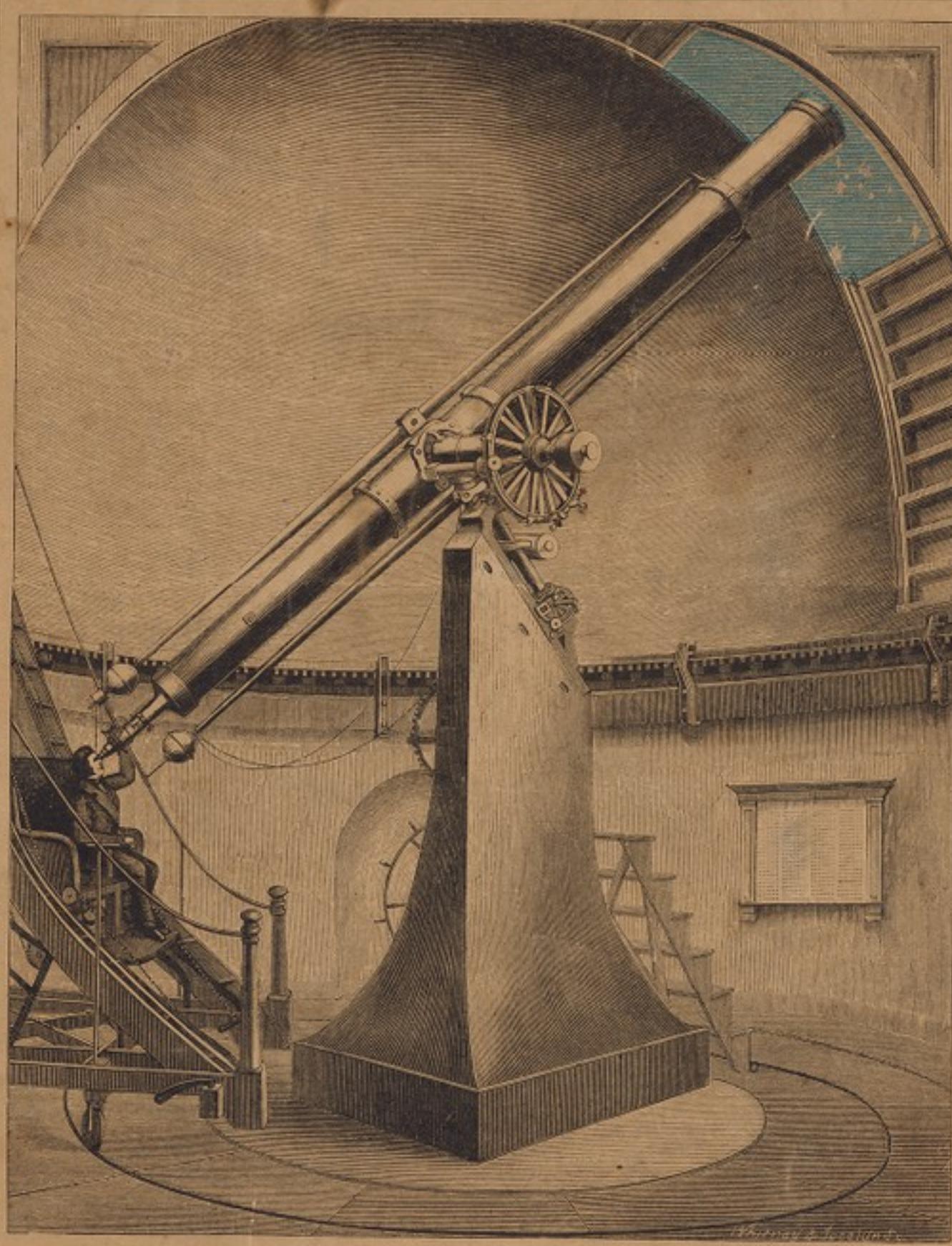
CLUSTERS, NEBULAE, AND COMETS.

[MAP IX.]





THE
GREAT REFRACTING
TELESCOPE,
CAMBRIDGE, MASS.



THE above is a view of the Great Equatorial Telescope of Harvard University; the largest refractor in the United States, and one of the best on the globe. Its focal length is 22 feet 6 inches, and its object-glass 15 inches in diameter. It was made by the celebrated Mery, of Munich, in 1845-6, and cost about \$20,000.

PROGRESS OF TELESCOPIC SCIENCE.

Sir David Brewster, adverting to the prospect of future astronomical progress and discovery, says, that however great have been the achievements of the past, and however magnificent the instruments to which we owe them, the limits of telescopic vision have not been reached, and space has yet marvellous secrets to surrender. A ten-foot reflector will be due to science before the close of the century, and a disc of flint glass, twenty-nine inches in diameter, awaits the command of some liberal government, or some magnificent individual, to be converted into an achromatic telescope of extraordinary power.